(E) MICRO CONTROL MODEL DC TO AC POWER INVERTER

Instruction Manual

Please read user manual before use.

USEFUL APPLICATIONS

RUN NOTEBOOK COMPUTERS, RADIOS, TVS, VCRS, LAMPS, FANS, FAX, ... ETC.

SPECIFICATION

INPUT VOLTAGE RANGE : 10-15V DC
INPUT FULL LOAD CURRENT : 35A
STANDBY INPUT CURRENT : 0.36A *FAN
OUTPUT VOLTAGE (AC) : 100V 110V 120V
220V 230V 240V
OUTPUT WAVEFORM : MODIFY SINEWAVE
OUTPUT FREQUENCY : 50HZ 55HZ 60HZ
CONTINUE OUTPUT POWER : 300W
OUTPUT POWER : 350W (30min)
PEAK OUTPUT POWER : 600W
EFFICIENCY : 90%
BATTERY LOW ALARM : 10.5+/-0.5V DC
BATTERY LOW SHUTDOWN : 10+/-0.5V DC
THERMAL PROTECT : 60+/-5DEG C
OVERLOAD PROTECT : YES (MICROCONTROLLER)
OUTPUT SHORT PROTECT : YES (MICROCONTROLLER)
HIGH VOLTAGE INPUT PROTECT : YES (MICROCONTROLLER)
BATTERY POLARITY PROTECT : YES (BY FUSE)
FUSE : CIGARETTE PLUG -15A BATTERY CORD – 35A
DIMENTION (L*W*H) mm : 165 * 88 * 74
WEIGHT : 900g

TROUBLESHOOTING

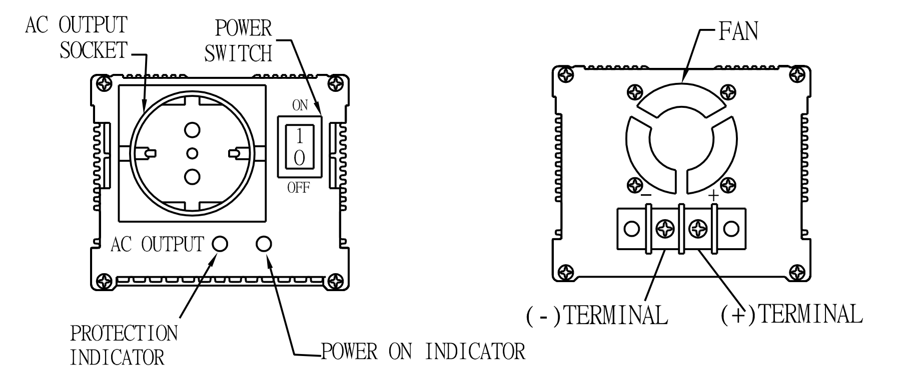
IF THE INVERTER DOES NOT APPEAR TO BE FUNCTIONING PROPERLY, THERE ARE SEVERAL REASONS WHY THE INVERTER MAY NOT BE RESPONDING.

1) POOR CONTACT
   *CLEAN CONTACT PARTS THOROUGHLY.
2) RECEPTACVLE HAS NO POWER
   *CHECK CAR FUSE, REPLACE DAMAGED FUSE.
   *CHECK RECEPTACLE WIRING. REPAIR IF NECESSARY
3) FUSE IS BLOWN
   *THE FUSE IS LOCATED INSIDE THE DC PLUG. REPLACE FUSE WITH A FUSE OF EQUIVALENT VALUE.
4) OVERLOAD CAUSED AC OUTPUT SHUTDOWN.
   *REDUCE THE WATTAGE OF YOUR LOAD TO LOWER THAN 300 WATTS.
5) THERMAL CAUSED AC OUTPUT SHUTDOWN
   *UNDER HEAVY LOADS FOR EXTENDED PERIODS OF TIME. THE AC INVERTER WILL SHUTDOWN OUTPUT TO PREVENT DAMAGE TO EXCESS HEAT. IF THIS HAPPENS, PLASE PROCEED AS BELOW :
   (A) SWITCH OFF THE POWER SWITCH OF THIS INVERTER
   (B) DECREASE LOAD OF THIS MACHINE I. E. DISCONNECT SOME OF THE APPLIANCES OR WAIT UNTIL THIS INVERTER BECOME COOL.
   (C) SWITCH ON THE POWER SWITCH OFF THIS INVERTER.
6) LOW-BATTERY SHUTDOWN
   *RECHARGE YOUR BATTERY AND RESUME OPERATION.

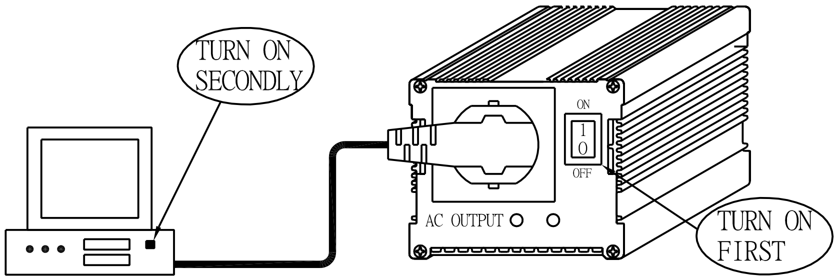
CAUTION

- ALWAYS PLACE THE INVERTER IN
- AN ENVIRONMENT WICH IS:
- A) WELL VENTILATED
- B) NOT EXPOSED TO DIRECT SUNLIGHT OR HEAT SOURCE
- C) OUT OF REACH FROM CHILDREN
- D) AWAY FROM WATER/MOISTURE, OIL OR GREASE

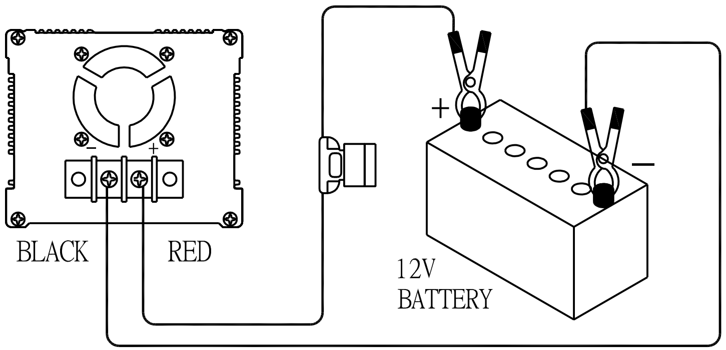
E) AWAY FROM ANY FLAMMABLE SUBSTANSE



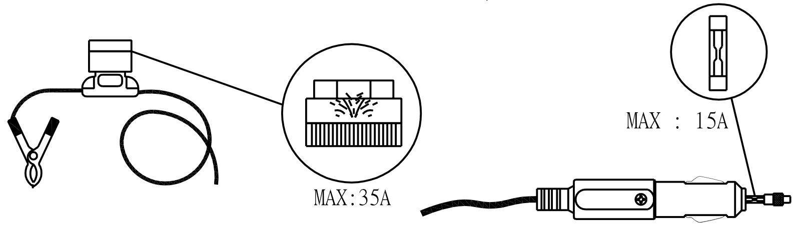
WHEN CONNECTED TO ANY APPLIANCE, BE SURE TO TURN ON INVERTER FIRST. AND THEN, TURN ON THE POWER SWITCH OF THE APPLIANCE.



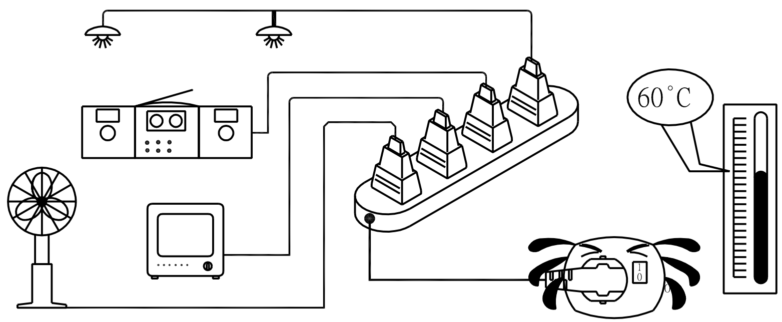
CAUTION:DO NOT REVERSE INPUT. USE RED BATTERY CORD TO CONNECT (+) OF A 12V DC BATTERY TO (+) TERMINAL AND THEN, USE BLACK BATTERY CORD TO CONNECT (-) BATTERY TO (-) TERMINAL.

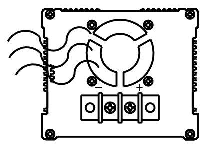


DURING OPERATION. WHEN THE POWER SWITCH IS ON, IF POWER ON INDICATOR IS NO LIGHTED. PLEASE CHECK THE FUSE IN THE BATTERY CORD. IF THE FUSE IS SPOILT. FOR REPLACEMENT, USE THE SAME CURRENT FUSE.



IF THE TOTAL WATTS OF ELECTRICAL APPLIANCES EXCEEDS THE OUTPUT CAPACITY OF INVERTER. OR AFTER OPERATING FOR A PERIOD OF TIME. IF THE TEMPERATURE OF THE INVERTER REACHES 60°C, THE INVERTER SHALL BE SHUTDOWN BY THE PROTECTION CIRCUIT.





WISDOM FAN START : WHEN THE OUTPUT REACH 100W OR THE TEMPERATURE REACH OVER 45 C,THE FAN WILL START AUTOMATICALLY.

WHEN THESE SITUATION OF OUTPUT SHORT,OVERLOAD,OVERTEMPERTURE HAPPEN,LED WILL TELL WHAT HAPPEN IN DIFFERE SPARK SPEED FOR USER THEMSELVES TO SOLVE DIFFERENT KINDS OF PROBLEMS

LOW VOLTAGE INPUT---RED LED KEEP BRIGHT
HIGH VOLTAGE INPUT---RED LED SPARK
OVERTEMPERTURE---RED LED SPEEDY SPARK AND SHUTDOWN AFTER BUZZER KEEP SOUNDING ONE MINUTE
OVERLOAD---RED LED SLOWLY SPARK